

Fig. 1 Front & Side Elevations

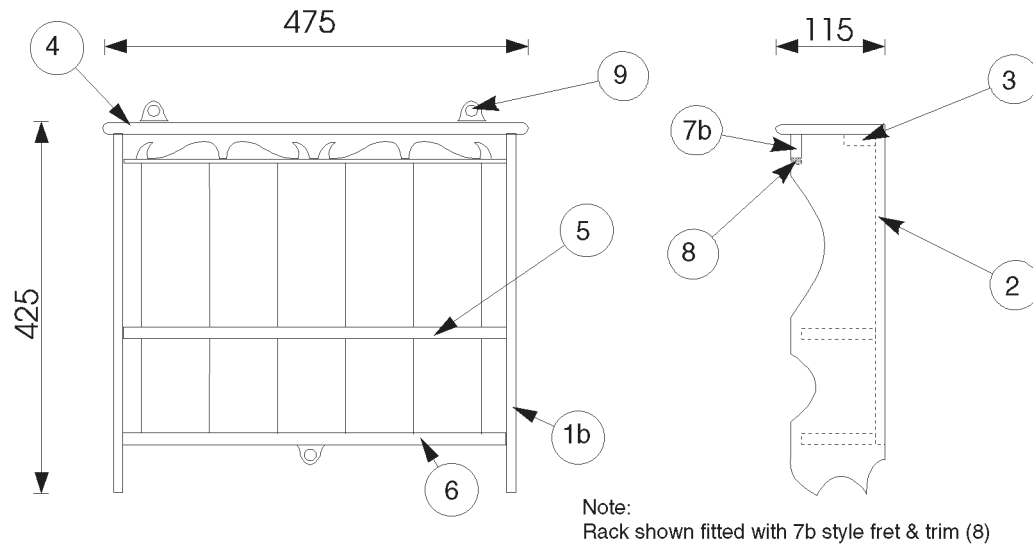


Fig. 2 Sides R & L Hand: 18mm Stock

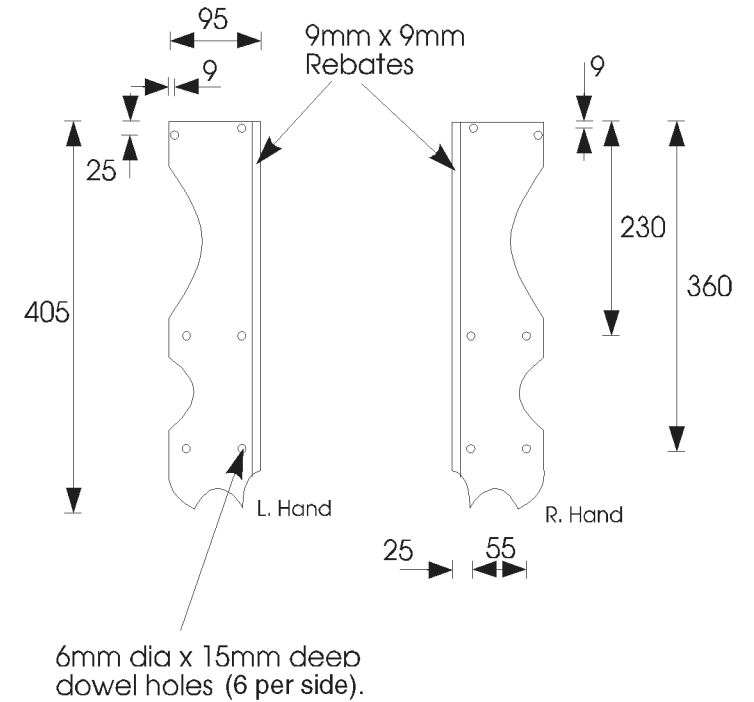


Fig. 3 Back: 9x95 fin Matchboards (5 off).

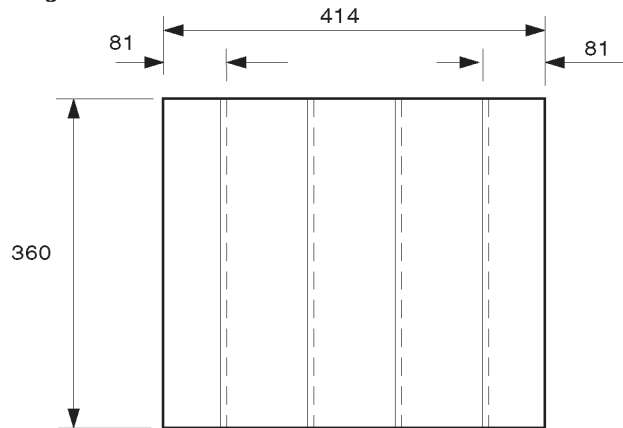


Fig. 4 Back Rail: 18mm Stock.

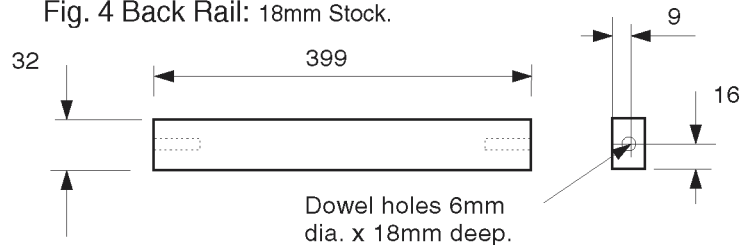
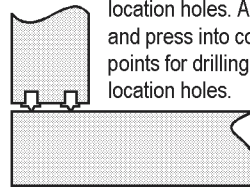


Fig. 5. The Dowel Point

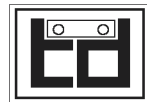


Available in metric sizes 6, 10 & 12 mm dia. and imperial sizes 1/4, 3/8 & 1/2" dia. To use dowel points, drill the dowel location holes in one of the pieces to be joined. Temporarily fit dowel points in the location holes. Align with part to join to and press into contact to leave centre points for drilling the opposite dowel location holes.



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Item	Qty	Description	Cut Blank	Fig.
1a	1	L Hand Sides	18 x 95 x 405	2
1b	1	R Hand Side	18 x 95 x 405	2
2	5/1	Matchboard Back	9 x 95 x 360	3
3	1	Back Rail	18 x 32 x 399	4
4	1	Top	18 x 115 x 475	6
5	1	Centre Shelf	18 x 80 x 399	7
6	1	Bottom Shelf	18 x 90 x 399	8
7a	1?	Fret a	18 x 45 x 399	9
7b	1?	Fret b - Alternative to Fret a	18 x 35 x 399	10
8	1	Trim (Fret b only)	9 x 22 x 399	1
9	3	Mirror Plate	-	17



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## Notes on Making the Component Parts

(See also Fig. 5 re Dowel Joints at Figs 2, 7 & 8)

### Introduction

The primary objectives in the preparation of this plan was to:-

- Incorporate into a small inexpensive unit some of the basic operations in the production of hand built furniture
- Build up confidence in relative newcomers in handling tools in a hands on project.
- Provide an end product which is both attractive and useful.

However, not every beginner will have the necessary tools to make this unit exactly as intended. Hence, we have incorporated these additional notes on simplifying the construction of the unit

### Fig. 10 Decorating the Top (Fig. 6)

The illustrations below show just four of the vast range of profiles for a decorative cornice effect on country furniture.

Profile A  
'Angled'



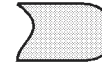
The simplest, this profile can be run off with almost any Saw or Plane and looks remarkably effective. Remember country furniture is all about clean simple lines.

Profile B  
'Chamfer'



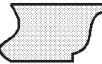
Again, this profile can be run off with almost any Saw or Plane and is in effect a simplification of the popular 'Shaker' style.

Profile C  
'Rounded'



Basically a profile for table tops it can also be used to good effect at eye level. It can be run off by hand with a Plane or power tool (e.g router) with an appropriate profile cutter.

Profile D  
'Ogee'



Profiles like this are very difficult to produce by hand. They are best produced with a router or small spindle moulder (shaper) fitted with an appropriate profile cutter.

### Grooving

The grooves in the shelves (fig. 7 & 8) are intended to locate objects such as plates. If you don't intend to display plates on your rack the grooves can be omitted altogether. A raised strip pinned along the length of the shelf will locate plates but difficulty may be experienced accomodating free standing artifacts. A simple groove can be made with common hand tools by running a saw cut some 2 or 3 mm deep along the length of the shelves and chamfering into it with a chisel (see fig. x)

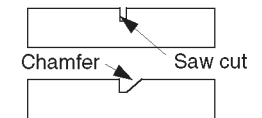
### Omitting Dowels

As an alternative to doweling it is possible to pin and glue the rack together. Omit all dowel locating holes and the 5 holes in the top (item 4)

The modified procedure for assembling the rack is:-

- Mark the position of, and pin and glue the fret (item 7) and the back rail (item 3) to the top (item 4). (see Fig. 12)
- Mark the position of the shelves (items 5 & 6) on the left & right hand sides (items 1a & 1b). Pin and glue the sides to back rail and the fret on the sub assembly formed at i above.
- Position the shelves within, and pin them to the sides.
- Drive all the pin heads on show surfaces slightly under the timber with a nail punch and fill the resulting holes

### Fig. 11 Simple Groove



### Fig. 12 Sub Assembly

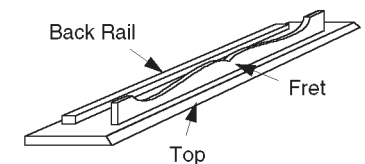


Fig. 6 Top:  
18mm Stock.

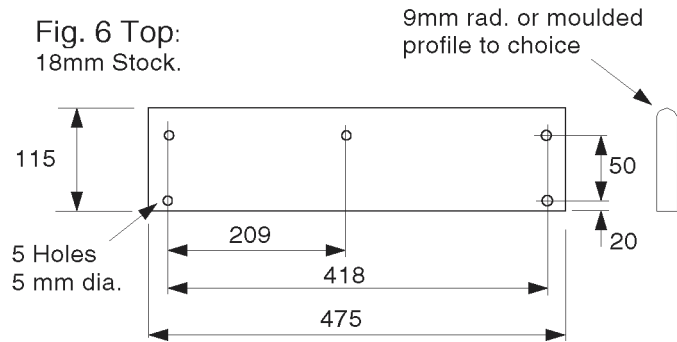
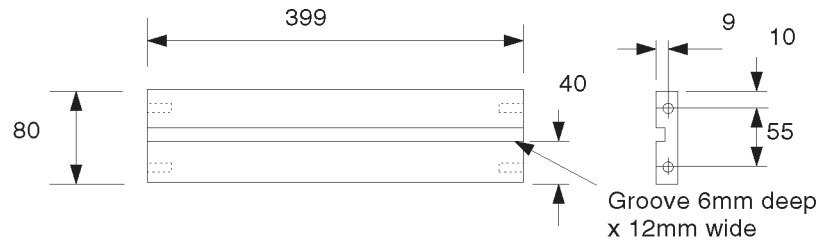


Fig. 7 Centre Shelf : 18mm Stock.



**Note:-**

Lightly chamfer or profile the front edges of both shelves

Fig. 8 Bottom Shelf : 18mm Stock.

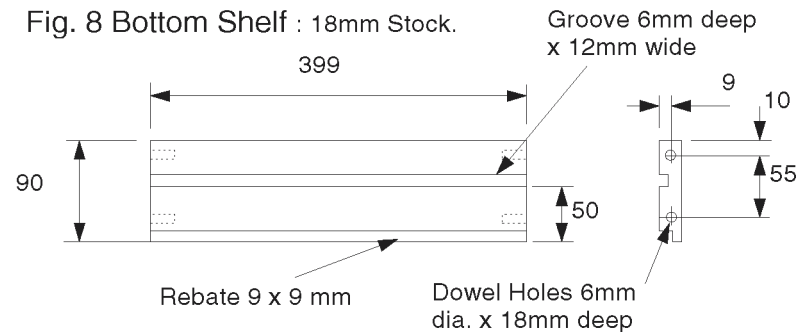
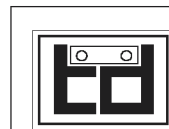
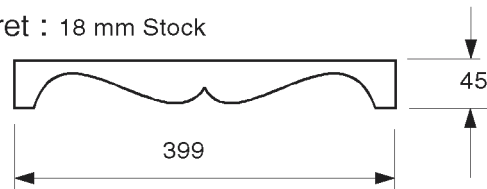


Fig. 9 Fret : 18 mm Stock



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Spice/Curio Rack

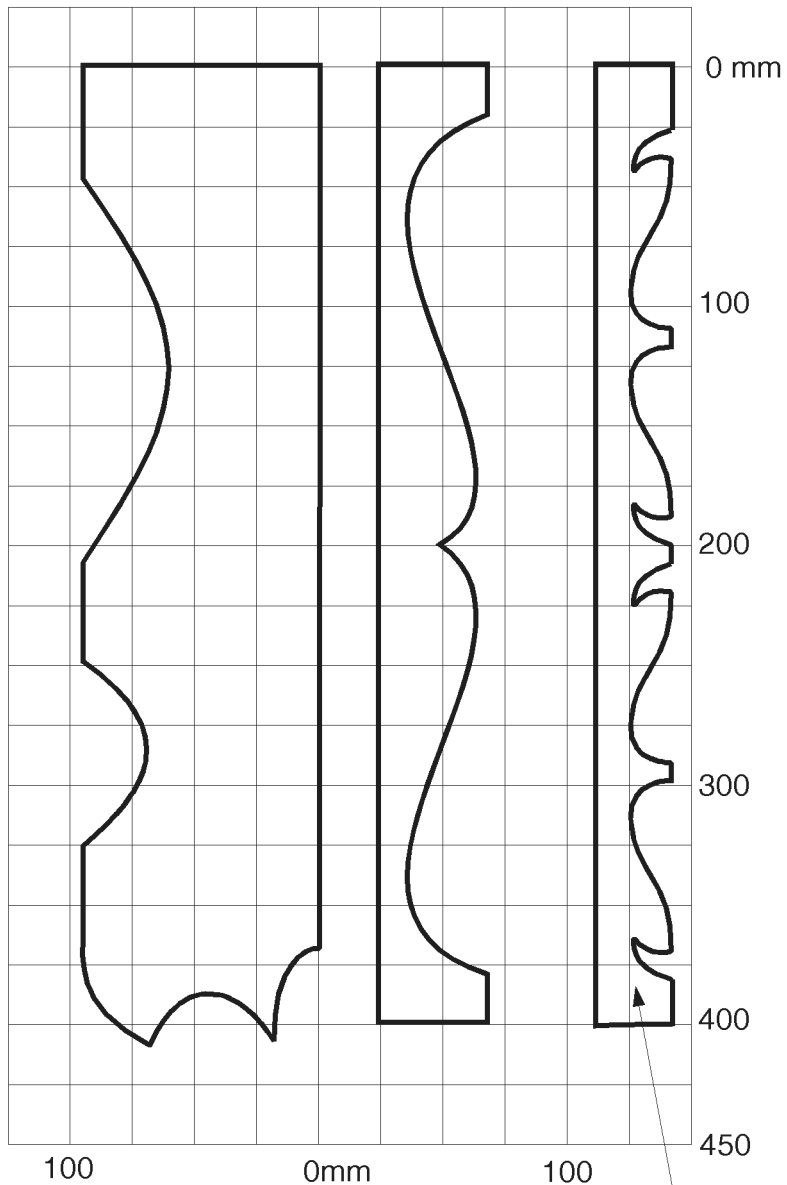
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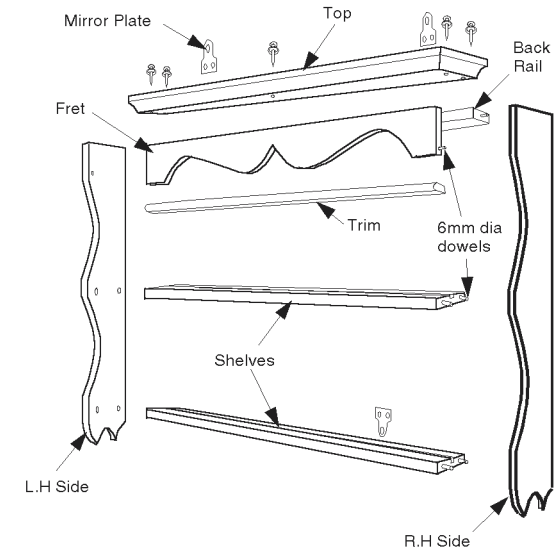
**Fig. 14 Profile Templates For Shaped Parts**  
(Each square represents a 25mm square at full size)



Alternative Fret for use with 9 x 22 mm Bar (see Front Elevation)

**Notes Re Assembly of Racks.**

1. Prime the end grain butt joints of the back rail, fret & shelves. Glue the 6mm dia. dowels into the locating holes in these components.
2. Lay the R.H Side face down on a work surface & fit the back rail, fret & shelves to their respective positions on the side via the 6mm dowel locating holes.
3. Align and fit the L.H side over the dowels at the opposite ends of the back rail, fret & shelves.
4. Lay the assembly face up on a work surface and align the top with the sides & back. Fix the top with 5 off no 8 x 1 3/4" c'sk hd. Woodscrews.
5. Pin & glue the trim to the fret (Type 7b fret only).
6. Nail the match boards for the back into the rebated box formed by the back rail, sides and lower shelf.
7. Fit the three mirror plates in the positions shown.



**Fig. 15 Exploded View of Typical Rack**

**Fig. 16 Procurement and Cutting Cutting Schedule**

This spice rack can of course, be made up from a selection of off cuts with a handful of dowels and panel pins. However, if you have no off cuts to hand, it has been designed to use new stock sized materials as efficiently as possible. All that is required is one PAR (planned all round) board in the species of your choice at 18 x 145 mm x 2.1 metres and one tongued and grooved match board at 18 x 145 mm x 2.1 metres.

1 off Board 18 x 145 mm x 2.1 M

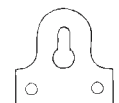
			Back Rail 32 x 399	Type A Fret 45 x 399
Top	L H Side	R H Side	Bottom Shelf	Centre Shelf
115 x 475	95 x 405	95 x 405	90 x 399	80 x 399

1 off Match Board 9 x 95 mm x 1.8 M

Cut into 5 equi-length pieces



**Fig. 17 Mirror Plate**



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